



---

## Product Information Sheet

---

### **Polyclonal Anti- Connexin 40 (*Magnetic Bead Conjugate*)**

**Catalogue No.** PA1368-M

**Lot No.** 0131112066827

**Ig type** rabbit IgG

**Size** 100µg/vial

**Specificity**

Human, rat.

No cross reactivity with other proteins.

**Recommended application**

ImmunoPrecipitation (IP)

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminal of human Connexin 40 (341-358aa), identical to the related mouse and rat sequence..

**Purity**

Immunogen affinity purified.

**Contents**

*Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.*

**Storage**

*Store at 4°C for frequent use.*

**Description**

*This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation.*

## **BACKGROUND**

Connexin proteins oligomerize to form intercellular channels, called gap junctions, through which ions and small molecules move between adjacent cells. Connexin 40(Gap junction alpha-5 protein) is a protein that in humans is encoded by the GJA5 gene.This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Mutations in this gene may be associated with atrial fibrillation. Alternatively spliced transcript variants encoding the same isoform have been described.

## **REFERENCE**

- 1."Entrez Gene: GJA5 gap junction protein, alpha 5, 40kDa